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## (54) MANUFACTURE OF RING-SHAPED GASKET OF MANGANESE DRY BATTERY

## (57)Abstract:

PURPOSE: To enhance electrolyte leakage resistance of a manganese dry battery.

CONSTITUTION: A negative terminal plate 10 and a ring-shaped gasket 11 are arranged in order on the bottom of a cylindrical zinc can 1 with bottom, and the outer circumference of the zinc can 1 is covered with a heat shrinkable resin tube 9 so that the gasket 11 is covered with the circumferential edge of the tube 9, and an outer jacket 12 is fitted to the outer circumference of the tube 9 so that the end of the outer jacket 2 fastens the terminal plate 10 and the gasket 11 through the tube 9. The ring-shaped gasket 11 is manufactured in such a way that a paper material whose density is 0.5-0.6g/cm<sup>3</sup> and air permeability is 6-10 seconds is dried until the moisture content becomes 4% or less, then this paper material is impregnated with water repellent material of a mixture of polybutene, paraffine wax, and polyethylene so that the impregnated content becomes 40-wt.% or more. Since the impregnated content of the water repellent material is 40wt.% or more, the electrolyte leakage resistance of a manganese dry battery is surely maintained.

